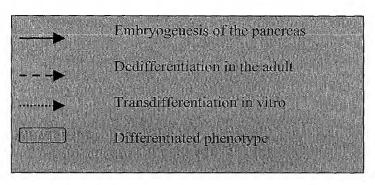
Title: PROCESS FOR OBTAINING MAMMALIAN INSULIN SECRETING CELLS IN VITRO AND THEIR USES

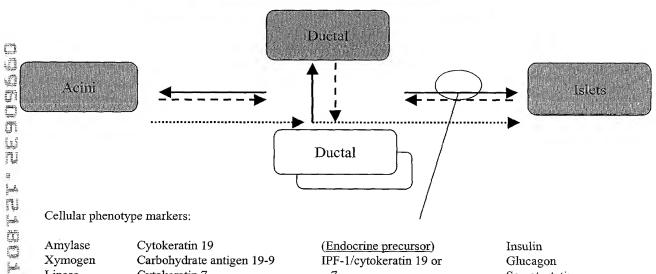
Applicant: Kerr-Conte & Pattou Senal No. 09/960,632 Dkt. No.: 855-21

Page 1 of 5



Figure 1. Neogenesis of the pancreatic cells and cellular phenotype markers





Xymogen Lipase

Carbohydrate antigen 19-9 Cytokeratin 7 CFTR (cystic fibrosis transactivating membrane receptor) Carbonic Anhydrase

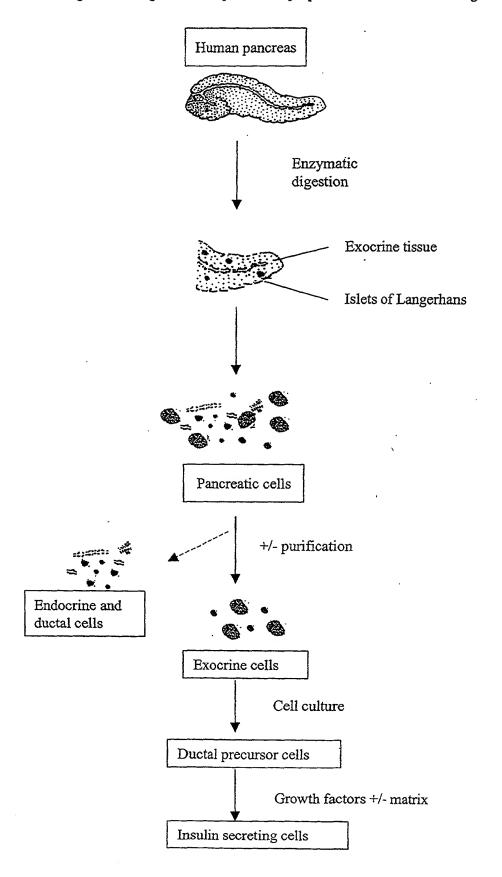
IPF-1/cytokeratin 19 or Synaptophysin/cytokeratin 19 or 7 FGF9.5/cytokeratin 7 or 19

Glucagon Somatostatin Pancreatic Polypeptide Chromogranin A Synaptophysin Chromogranin A N-specific enolase PGP 9.5

Title: PROCESS FOR OBTAINING
MAMMALIAN INSULIN SECRETING CELLS IN
VITRO AND THEIR USES

Applicant: Kerr-Conte & Pattou Serial No. 09/960,632 Dkt. No. 855-21 Page 2 of 5

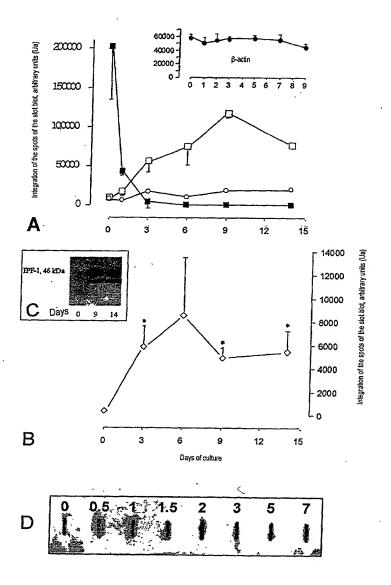
Figure 2. Diagram of the process of preparation of insulin secreting cells



Title. PROCESS FOR OBTAINING MAMMALIAN INSULIN SECRETING CELLS IN VITRO AND THEIR USES Applicant: Kerr-Conte & Pattou Serial No. 09/960,632

Dkt. No.: 855-21 Page 3 of 5

Figure 3. Protein expression during 14 days of culture of the human exocrine preparations (A and B, mean \pm SEM based on n=5)

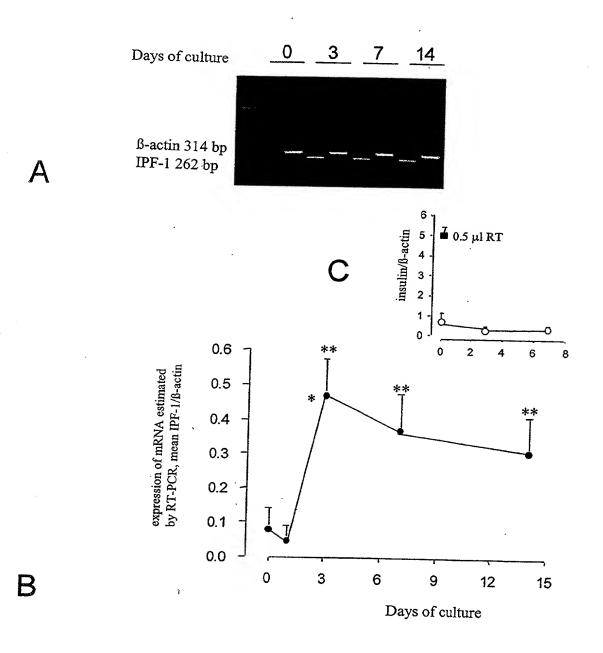


Title: PROCESS FOR OBTAINING MAMMALIAN INSULIN SECRETING CELLS IN VITRO AND THEIR USES Applicant: Kerr-Conte & Pattou Serial No. 09/960,632

Dkt. No.: 855-21

Page 4 of 5

Figure 4. RT-PCR analyses on the expression of IPF-1 in the course of culturing of the preparations



Title. PROCESS FOR OBTAINING
MAMMALIAN INSULIN SECRETING CELLS IN
VITRO AND THEIR USES
Applicant: Kerr-Conte & Pattou
Serial No. 09/960,632
Dkt No.: 855-21

Page 5 of 5

Figure 5. Characterization by immunohistochemistry of the phenotype of the ductal precursor cell cultures. The bar represent 100 μm .

